

2.3.4.5 Permitting Framework and Scope/Permit Program Areas/ Animal Feeding Operations (AFO)/Special Discharge Limitations

Applicability:

This page discusses allowable discharges and special effluent limitations for CAFOs.

Content:

All CAFOs are required to be designed and operated as a no-discharge operation. This requires them to design a containment structure that will hold all process waste and precipitation from catastrophic and chronic storm events as defined at 10 CSR 20-6.300(1)(B)5 and 6 respectively. These effluent limitations and design standards are listed at 10 CSR 20-6.300(4).

In order to ensure that the operation has been designed appropriately the following three conditions must be met:

- The volume of the storage structure between the upper and lower pumpdown markers must be able to contain all of the process waste and average precipitation during the designed storage period.
- The volume of the storage structure between the lower pumpdown marker and the spillway must be able to contain all of the process waste and chronic precipitation during the designed storage period.
- The volume of the storage structure between the upper pumpdown marker and the spillway must be able to contain all of the catastrophic precipitation.

The process waste, as defined in 10 CSR 20-6.300(1)(B)19, includes run-off that must be calculated using the appropriate precipitation event.

A CAFO is allowed to discharge process wastes due to storm events greater than the catastrophic or chronic storm events provided the storage structure has been operated appropriately. The storage structure has been operated appropriately if the CAFO entered the storage period at the lower pumpdown marker or land applied an amount of process waste that would equal the volume of process waste above the pumpdown volume at the beginning of the storage period.

CAFOs may also be subject to other limitations in accordance with 10 CSR 20-7.015(7) and (9)(G).

Legal References:

Code of State Regulations:

10 CSR 20-6.300	Concentrated Animal Feeding Operations (CAFOs)
10 CSR 20-7.015	Effluent Regulations

Code of Federal Regulations:

40 CFR 412 Concentrated Animal Feeding Operations (CAFO) Point Source Category

Other Links: